



Appendix C, Attachment A Operation and Maintenance Costs

May 2004

Table C - A1
Qualitative Assessment of Operation and Maintenance Costs

	Elkhorn/ Elverta Diversion Alternative	Sankey Diversion Alternative	Feather River Diversion Alternative	ARPS Alternative	Folsom Dam Alternative
Intake	mod	mod/high	high	low/mod	low
Pumping Raw Water	low/mod	mod/high	mod/high	high	low
Treatment (WQ/Chem)	mod/high	high	high	mod/high	low/mod
Solids Handling	high	high	high	low/mod	low
Pumping Treated Water	low/mod	mod/high	mod/high	low	low/mod
Pipeline	high	mod	mod/high	mod/high	mod/high

Factors Considered in Assessment:

Intake	Water Depth, Facility Footprint, River Location
Pumping - Raw Water	Distance, Flow, Pumping Head
Treatment	Raw Water Quality, Chemical Demand, No. Facilities, New vs. Expansion
Solids Handling	Raw Water Quality, Chemical Usage, WTP Location
Pumping - Treated Water	Distance, Flow, Pumping Head
Pipelines	Distance, Above Ground Portions

Table C - A2
Ranking of SRWRS Alternatives for Operation and Maintenance Costs

	Elkhorn/ Elverta Diversion Alternative	Sankey Diversion Alternative	Feather River Diversion Alternative	ARPS Alternative	Folsom Dam Alternative
Intake	2	2.5	3	1.5	1
Pumping Raw Water	1.5	2.5	2.5	3	1
Subtotal	3.5	5	5.5	4.5	2
Treatment (WQ/Chem)	2.5	3	3	2.5	1.5
Solids Handling	3	3	3	2	1
Pumping Treated Water	1.5	2.5	2.5	1	1.5
Subtotal	7	8.5	8.5	5.5	4
Pipeline	3	2	2.5	2.5	2.5
Total	13.5	15.5	16.5	12.5	8.5

Key to Rankings:

high	3
mod/high	2.5
mod	2
low/mod	1.5
low	1